

Claim Amendment under 37 CFR 1.121(c)

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) A liquid composition for promoting plant growth by increasing the photosynthetic efficiency, consisting essentially of titanium dioxide nanoparticles, having a particle size of 3 to 200 nm and a crystal structure generally of anatase; and silver nanoparticles having a particle size of 1 to 100 nm, which are used at the amount of 1.0 to 10% ~~0.5 to 20%~~ by weight relative to the titanium dioxide nanoparticles; and one or more adjuvants selected from a water soluble salt[,] and metallic oxide and non-metallic oxide, which are used at the amount of 0.1 to 20% by weight relative to the titanium dioxide nanoparticles; and one or more surfactants for dispersion selected from a cationic surfactant[,] and a nonionic surfactant[,] and an anionic surfactant and an amphoteric surfactant, which are used at the amount of 0.1 to 5% by weight relative to the titanium dioxide nanoparticles.

wherein aqueous solution is maintained a stable colloidal form by adjusting a pH with organic or inorganic acid for absorbing to plant and the aqueous solution is diluted with water such that a titanium dioxide concentration is in the range of 3 to 100 ppm for greater effect on crop yield, when applied to the foliage of crops.

10. (Currently Amended) The composition of Claim 9 2, in which the adjuvants necessary for plant growth are one or more selected from the group consisting of Li[,] and Be[,] and B[,] and Na[,] and Mg[,] and Al[,] and Si[,] and P[,] and K[,] and Ca[,] and Sr[,] and Cr[,] and Mn[,] and Fe[,] and Co[,] and Ni[,] and Cu[,] and Zn[,] and Ga[,] and Ge[,] and Se and Zr, which are used at the amount of 0.1 to 20% by weight relative to the titanium dioxide nanoparticles.
11. (Cancelled)
12. (Cancelled)
13. (New) The composition of Claim 9, in which the surfactant for dispersion is selected from the group consisting of a cationic surfactant, a nonionic surfactant, an anionic surfactant, an amphoteric surfactant, and a mixture of two or more thereof, which are used at the amount of 0.1 to 5% by weight relative to the titanium dioxide nanoparticles.
14. (New) The composition of Claim 9, in which the adjuvants necessary for plant growth are in the form of a water soluble salt of one or more element selected from the group consisting of N, P, K, S, Ca, Mg, Fe, Cu, Zn, Mo, Mn and B, which are used at the amount of 0.1 to 20% by weight relative to the titanium dioxide nanoparticles.